



# ELECTRICAL CURRENTS

Newsletter from the Office of the Chief Electrical Inspector

Ron Fuller, Chief Electrical Inspector

Vol. 8 No. 5

May 2005

## ● Joe Devish And Charlene Clark Leave The Electrical Board

Electrical Board Chairman Joe Devish and long-time Board Member Charlene Clark each ended multiple terms as Board Members at the April 28<sup>th</sup> meeting. Joe's leadership skills and Charlene's professional service during times of unprecedented change in Washington's electrical industry has contributed directly to the success of the electrical program.

We would like to express our gratitude and appreciation to Joe and Charlene for their many years of commitment, dedication, and voluntary service on the Electrical Board. They have played a major role in improving the quality of the electrical program and ensuring electrical safety for the citizens of Washington State.

Anyone interested in applying for Joe's position as an electrical contractor should apply to the Governor's office before June 15<sup>th</sup>. Information for applying may be found at:

[www.governor.wa.gov/actions/appointments/boards/](http://www.governor.wa.gov/actions/appointments/boards/)

## ● REMINDER! WAC Rule Revision Proposals Must Be Submitted In July

Revision proposals for the next cycle will only be accepted from July 1, 2005 through July 15, 2005.

Proposals will not be accepted before or after these dates. The form for proposals must be submitted electronically and will be available on the Labor and Industries website June 20, 2005 at:

[www.lni.wa.gov/TradesLicensing/Electrical](http://www.lni.wa.gov/TradesLicensing/Electrical). See the March 2005 special edition *Electrical Currents* for details.

## ● Audit Of Class B Basic Installation Labels Shows Improper Use By Contractors

The electrical auditors have reviewed nearly all of the Class B basic installation labels applied on jobsites statewide. Notification letters and warning citations, no penalty, have been issued to contractors who applied the labels to work that is not appropriate for Class B. Auditors found that contractors and their electricians used Class B labels improperly nearly 35% of the time.

RCW 19.28.006(2)(b) defines what types of work are eligible to be used with Class B labels. In addition to the work listed, the statute allows additional, "*Wiring, appliances, devices, or equipment as specified by rule.*" WAC 296-46B-110(6) through (10) establishes specific rules for the use of Class B inspection labels, adds clarification for some of the terms used in the statute, and lists additional electrical equipment like-in-kind replacement work that is eligible for Class B random inspection. **You must read both RCW 19.28.006(2)(b) and WAC 296-46B-110(10) to determine if you can legally apply a Class B basic installation label to your work.** (Note: WAC rule revisions effective June 30, 2005 will combine all this information into WAC 296-46B-110.)

When used for the specific work intended in the law and rules, Class B basic installation labels save time and money for contractors and their customers and for the electrical program. Improper use of these labels is equivalent to failing to purchase the required permit. This places great liability on the electrical contractor and may expose the end-user to a significant safety risk. We will continue to closely monitor the use of Class B labels and may issue citations (with the associated civil penalties) to contractors, administrators, and electricians for illegal use.

## ● Class B Basic Installation Labels – Clarification On Proper Use

The general requirement in Chapter 19.28 RCW limits Class B label use to "basic electrical work that requires minimal circuit modification and has limited exposure hazards."

Some inappropriate uses where a standard electrical work permit is required:

New branch-circuits.

Replacement of damaged circuit conductors.

The conversion of a luminaire to a paddle fan (or paddle fan with accessory luminaire). Proper support of a paddle fan (i.e. listed fan box, or support independent of the outlet box) must always be inspected, even for a like-in-kind replacement. (A paddle fan is manufactured under its own product standard and is not a "motor" and not a luminaire.)

Some appropriate uses where a Class B label is acceptable:

A single circuit extension or specific like-in-kind replacement work on one existing circuit only. "Circuit extension" means conductors extended from an existing outlet on an existing circuit. An extension cannot supply more than two (added) outlets. Devices that may be served from the added outlets are "*general use snap switches/receptacles, luminaires, thermostats, speakers, etc., but does not include wiring/cabling systems, isolating switches, magnetic contactors, motor controllers, etc.*"

The addition of an accessory luminaire kit to an existing paddle fan. See inappropriate uses above for paddle fan installations.

The installation (or replacement) of a single electric sign on an existing single 120-volt, 20-amp maximum sign circuit. Field-assembled sign sections, outline lighting, or neon skeletal tubing installations require standard electric sign permits since they do not meet the "*minimal circuit modification and has limited exposure hazards*" criteria for Class B work.

The like-in-kind replacement of up to a 100 amp, 240 volt electric/oil/gas furnace and like-in-kind replacement of up to a 30 amp, 240 volt air conditioning unit or refrigeration unit.

Note: WAC rule revisions effective June 30, 2005 will add like-in-kind replacement of a unit heater on up to a 30 amp, 240 volt circuit, replacement of not more than 10 standard receptacles with GFCI receptacles, combination replacement of not more than 10 switches or dimmers used to control luminaires, extension or relocation of a thermostat in an existing building, and like-in-kind replacement of a single luminaire not over 277 volts and 20 amps to the list of Class B work.

### ● July 1, 2005 Is The Deadline For Grandfathering Master Electrician Certification

When chapter 19.28 RCW created master electrician certification and allowed the ability to "grandfather" without examination, July 1, 2005 was set as the last opportunity for qualifying existing certified electricians to obtain master status without examination. The renewal system offers qualifying individuals (electrician-administrators) the opportunity to convert to master status when either of their certifications expired. When converting to master status, 24 hours of CEU's are required. Becoming a master electrician resets your CEU credit to zero and begins a new three-year renewal cycle. Individuals will always have the option to become a master electrician after gaining the appropriate experience and completing the examination.

### ● Continuing Education Requirements – RCW-WAC And Code Update Courses

It was brought to our attention that the language in rules (WAC 296-46B-970(2)(f)(i)) and the January 2004 Electrical Currents newsletter are confusing regarding the chapter 19.28 RCW, WAC 296-46B, and Code update continuing education courses acceptable for certification renewal.

The intent is to ensure that Washington electricians and administrators stay informed about current standards applicable to their work. The WAC language does this, but we failed to see the hardship that this could impose on an individual whose expiration date (birthday) is very close to an adoption date for the statute, rules, or the NEC. In the upcoming rule revision cycle, we will modify the text "*currently adopted*" that creates the problem and confusion. We recognized the problem early and have administered the rules as follows:

- At the time of renewal, we accept any valid (un-expired and approved) continuing education course for RCW-WAC or Code update that was completed between the previous and current renewal period of the certificate.
- The same CEU's are applicable to both electrician and administrator certification for an individual as long as they are obtained within the renewal cycle of each certificate. As soon as a certificate is renewed, the CEU history for that specific certificate is reset to zero hours. All CEU's applied to the next renewal of a specific certificate must be obtained after that date.

### ● Conductors Inside Of HID Fixture Housings

Mercury vapor, metal halide, and high pressure sodium high intensity discharge (HID) luminaires operate at very high temperatures. The temperature rating of conductors installed by the manufacturer inside the fixture housing can be as high as 150°C (302°F). If the connection of the fixture wires to the supply conductors is done inside the luminaire, then the temperature rating of the branch-circuit supply conductors is usually required to be the same as the fixture wires. This requirement is marked on the luminaire or appears in the installation instructions. In many HID luminaires the fixture wires are left long and intended to be routed out of the housing and into an external junction box for connection to the branch-circuit. Common 75°C (167°F) or 90°C (194°F) rated branch-circuit conductors are suitable when using this external wiring method.

The most common correction written by department inspectors is NEC 110.3 (B), "Listed or labeled equipment shall be installed and used in accordance with any instructions included in the listing or labeling." Save time and money by reading the instructions before installing any electrical equipment.

### ● Preview 2005 NEC Code Changes – 210.8(A)(7) GFCI Protection For Personnel

A change in NEC 210.8(A)(7) adds "*laundry, utility*" to the existing "*wet bar sinks*" as locations where all 125-volt, single-phase, 15- and 20-ampere receptacles installed within 1.8 m (6 ft.) must have ground-fault circuit-interrupter (GFCI) protection for personnel. This change seems to imply that receptacles of this rating installed to serve clothes washing machines or gas clothes dryers that are within 6 feet of a laundry or utility sink must be GFCI protected. The industry has little experience with the possible problems from operating laundry equipment on GFCI protected circuits. Contractors should not have to manage unnecessary call-backs or service calls that may be possible on such installations.

If you are unable to maintain the 6-foot separation from laundry or utility sinks to receptacles serving laundry equipment, the department will accept the existing precedent for similar appliances in garages found in NEC 210.8(A)(2), Exception No. 2 to (2). GFCI protection will not be required for "*a single receptacle or a duplex receptacle for two appliances located within dedicated space for each appliance that, in normal use, is not easily moved from one place to another and that is cord-and-plug connected in accordance with 400.7(A)(6), (A)(7), or (A)(8).*" If you install a duplex receptacle above or behind laundry equipment that allows connection of other portable 125-volt, single-phase, 15- and 20-ampere plug-in devices or equipment, then that receptacle must be GFCI protected.

### ● Preview 2005 NEC Code Changes – 225.30(A)(6) and 230.2(A)(6) Additional Feeders Or Services Supplying A Building – New Special Condition

A new condition (6) has been added to the lists of "Special Conditions" that will permit an additional feeder or branch-circuit, or additional service to supply a building or structure for the purpose of enhanced reliability. The Code panel did not define enhanced reliability or require the additional supply to be based on any specific need. This new condition is not as permissive as it may seem. The department will only allow this installation for systems (equipment) configured with a double-ended main and tie-breaker.

The initial proposals in the NEC Committee Report on Proposals (ROP) used the language "*redundant systems for the purpose of enhanced reliability of the supply*" for the new text in NEC 225.30(A) and 230.2(A). The Report on Comments (ROC) detailed an objection to the undefined term "redundant systems" as likely to cause confusion and recommended "*equipment with a double-ended main configuration installed for the purpose of enhanced reliability of the supply*" as an alternative. The Code panel accepted the comment in principle and revised the new NEC text to read "(6) *Systems designed for connection to multiple sources of supply for the purpose of enhanced reliability.*" This new condition (6) allows a main-tie-main configuration, while keeping the language general enough to allow for other listed systems to be developed to function similarly.

### ● Raceway Installation Limitations For (09) Telecommunications Contractors

Telecommunications contractors (using their uncertified employees) are allowed to install incidental short sections of circular metal or surface metal raceways for access or protection of telecommunications cabling. "Short sections" are limited to 10 feet maximum length. This allows an existing telecommunications outlet to be extended up to ten feet away with surface metal raceway, or it allows a 10 foot circular metal conduit sleeve for access to a hollow wall space or physical protection of a surface

Electrical Section Internet Address: [www.Lni.wa.gov/TradesLicensing/electrical](http://www.Lni.wa.gov/TradesLicensing/electrical) Page 3 of 8

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cable run. A conduit sleeve may have a mud-ring or box at the device end, but the other end must terminate in a fitting and bushing where the cable enters or exits the raceway.

Telecommunication contractors cannot install raceway systems. A raceway system is raceway installed from a box or enclosure to another box or enclosure. Raceway systems must be installed by licensed electrical contractors employing properly certified workers. Telecommunication contractors and workers installing raceway systems are subject to a citation.

### ● Electrical Question of the Month

**This Month's Question:** Bare Aluminum or copper clad aluminum grounding electrode conductors are not permitted to be terminated within \_\_\_\_ inches of the earth? **A) 12, B) 15, C) 18, D) 24.**

**Last Month's Question:** Service entrance conductors must extend at least \_\_\_\_\_ from a service weatherhead. **A) 12 inches, B) 18 inches, C) 24 inches, D) 36 inches.** The answer is B) [WAC 296-46B-230(5)(b)(Notes to drawings E-101, E-102, and E-103, note (7))]

### ● Quarterly Compliance Report

This report lists the final judgments for: no electrical contractor's license, hiring uncertified electricians, no electrician certification, and failure to obtain necessary electrical work permits. The report is also posted on the Electrical Program website. The following firms and persons received a final judgment during the 1<sup>st</sup> quarter of 2005. A final judgment means that all rights of appeal have been exhausted and a penalty is due or has been paid.

### Final Judgments of Electrical Laws For the 1<sup>st</sup> quarter of 2005

Violator	Penalty
<b>Violation – No Electrical Contractor's License</b>	
<b>Region 1 – North Puget Sound</b>	
2-HAWKS RESIDENTIAL SERVICES, FREESTAD RD, ARLINGTON, WA	\$ 500
ADVANCED CONSTRUCTION INC, HWY 99, EVERETT, WA	\$ 500
AUTOMATION UNLIMITED, PO BOX, BELLINGHAM, WA	\$ 500
BERG, BRET, MYRTLE RD NW, STANWOOD, WA	\$ 500
BOB'S PERSONALIZED REMODELING, 228TH ST SE, BOTHELL, WA	\$ 500
BRAUN, DENNIS C, 78TH AVE E, PUYALLUP, WA	\$ 500
COMMERCIAL FENCE CORP, PO BOX6, SEATTLE, WA	\$ 500
COMMERCIAL FENCE CORP, PO BOX, SEATTLE, WA	\$ 500
CONTROL SYSTEMS, PO BOX, ISSAQUAH, WA	\$ 500
CONTROL SYSTEMS, PO BOX, ISSAQUAH, WA	\$ 500
COOK, DANIEL B, OLD OWEN RD, MONROE, WA	\$ 500
COOK, DANIEL B, OLD OWEN RD, MONROE, WA	\$ 1,000
CORVUS, PARKRIDGE RD, BELLINGHAM, WA	\$ 500
COUNTRY HOMES CONST/DESIGN LLC, W KING TUT, BELLINGHAM, WA	\$ 500
EMERALD DESIGN INC, HEWITT AVE, EVERETT, WA	\$ 500
HICKS, ADRIAN L, WILLIAMS RD, RICHMOND, BC	\$ 500
JULIUS STEWART INC, WOOD RED RD, WOODINVILLE, WA	\$ 500
K & G CONTRACTING, PO BOX, MONROE, WA	\$ 500
KAETRON INC, LIBERTY ST, LYNDEN, WA	\$ 500
KOEPPEN, KENNETH O, DUBUQUE RD, SNOHOMISH, WA	\$ 500
LEATH, FRANKLIN, MAINE ST, CUSTER, WA	\$ 500
MAGNUSON, DAVID B, PINEWOOD AVE, BELLINGHAM, WA	\$ 500
NORTHWEST ENERGY SERVICES, 44TH AVE. W, MOUNTLAKE TERRAC, WA	\$ 500
WASHINGTON ASSOC OF CHURCHES, SEATTLE TOWER, SEATTLE, WA	\$ 500
WEAR, LES, 9TH ST, SNOHOMISH, WA	\$ 500
WELD N STUFF, 2ND AVE NE, MARYSVILLE, WA	\$ 500
WEST COAST ENTERPRISES, 196TH ST SW, LYNNWOOD, WA	\$ 1,500
WHITE, BRYCE L, PO BOX, STARTUP, WA	\$ 500
WLAM CONSTRUCTION & ROOFING, 67TH AVE NE, ARLINGTON, WA	\$ 500
<b>Region 2 – King County</b>	
ANTONIO, JUNIE TORRES SR, WILDWOOD LN, SEATTLE, WA	\$ 500
CHAN'S CONSTRUCTION, PO BOX, SEATTLE, WA	\$ 500
DAVIS DOOR SERVICE INC, S GRAND ST, SEATTLE, WA	\$ 500
DR ELECTRIC, S 177TH PL, BURIED, WA	\$ 1,500
EUROPEAN BUILDERS/WINDOW TECH, PAC HWY S, SEATTLE, WA	\$ 500
FALKENBURY, DONALD ALLEN, 35TH AVE W, BRIER, WA	\$ 500
IRONFIRE DESIGN & FABRICATION, NE 126TH PL, KIRKLAND, WA	\$ 500
PLC MULTIPOINT INC, 111TH ST SW, EVERETT, WA	\$ 500



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RAND, MICHAEL A, SOUTHBAY PL NE, TACOMA, WA	\$ 500
SATELLITE CONNECTION, 180TH PL SW, LYNNWOOD, WA	\$ 500
<b>Region 3 – Pierce &amp; Kitsap County &amp; Olympic Peninsula</b>	
CAMERASCAN, PO BOX, NORTH BEND, WA	\$ 500
FLODIN, DALE, PO BOX, BAINBRIDGE ISLAN, WA	\$ 500
FREDENBURG, MARK G., SW SPRUCE RD., PORT ORCHARD, WA	\$ 500
JOHNSTON, JOHN A.L., NE COUNTRY PARK RD, BAINBRIDGE ISLAN, WA	\$ 500
LONGVIEW CONSTRUCTION INC, DAPPLE CT NE, BAINBRIDGE ISLAN, WA	\$ 500
PETERS, WILLIAM, ARCADIA WEST, PORT TOWNSEND, WA	\$ 500
WHITBY, DAVID B, S 115TH ST, TACOMA, WA	\$ 500
YORK, HAROLD E, NORTH 30TH ST, TACOMA, WA	\$ 500
<b>Region 4 – SW Washington</b>	
A & M CABLE, PO BOX, RAINIER, WA	\$ 500
AMERICAN H D INC, NE 96TH AVE, VANCOUVER, WA	\$ 500
ELITE AUTOMATION LTD, SIDLEY STREET, BURNABY BC, CN	\$ 500
GLADSON, LLOYD, HARLEY RD, CHEHALIS, WA	\$ 500
HILL, DOUG JAMES, S LINCOLN STREET, ABERDEEN, WA	\$ 500
J T STEPHENS CONSTRUCTION, COURT ST NE, SALEM, OR	\$ 500
JIM LEHEW CONSTRUCTION, 2ND AVE SW, OLYMPIA, WA	\$ 500
MASTRO, JOSEPH, MAIN ST FISHERS, MENDON, NY	\$ 500
MITCHELL CRANE & EQUIPMENT CO, PO BOX, MEDFORD, OR	\$ 500
ROGERS ELECTRIC, COMMERCE DRIVE, IRVING, TX	\$ 500
SEAHOME SERVICES INC, THORNDYKE RD, QUILCENE, WA	\$ 500
TAURUS POWER & CONTROLS INC, SW AVERY ST, TUALATIN, OR	\$ 500
TAURUS POWER & CONTROLS INC, SW AVERY ST, TUALATIN, OR	\$ 500
TAURUS POWER & CONTROLS INC, SW AVERY ST, TUALATIN, OR	\$ 500
TRAC, MEN C, CONGER CT, OLYMPIA, WA	\$ 500
<b>Region 5 – Central Washington</b>	
DRISCOLL, CODY L, BEERS RD, PROSSER, WA	\$ 500
RICK POULIN WELL DRILLING LLC, LANCASTER RD, SELAH, WA	\$ 500
TRI-AIR HEATING & A/C INC, CLARK CT, WEST RICHLAND, WA	\$ 500
VISTA CONSERVATION RSRCS INC, VISTA DR, REPUBLIC, WA	\$ 500
WAYNES LOCK & KEY, N FIRST ST, SUNNYSIDE, WA	\$ 500
WYLIE, MIKE, 3RD ST, MESA, WA	\$ 500
<b>Region 6 – Eastern Washington</b>	
ADDINK, BRYAN, E DAYSPRING LANE, CHATTAROY, WA	\$ 500
CAMPBELL, BRIAN, S MANITO BLVD, SPOKANE, WA	\$ 500
IMAGINATION UNLIMITED, PO BOX, CHEWELAH, WA	\$ 500
INSTANT SIGN FACTORY, W 2ND AVE, SPOKANE, WA	\$ 500
SALCO INDUSTRIES INC, HWY 291, NINE MILE FALLS, WA	\$ 500
UNIVERSAL HANDYMAN SVCS LLC, ORIN RICE RD, COLVILLE, WA	\$ 500
<b>Central Office</b>	
DISH NETWORK SERVICE CORP, S MERIDIAN BLVD, ENGLEWOOD, CO	\$ 500
TELSERVICE NORTHWEST LLC, 172ND AVE SE, AUBURN, WA	\$ 500
TELSERVICE NORTHWEST LLC, 172ND AVE SE, AUBURN, WA	\$ 500
TELSERVICE NORTHWEST LLC, 172ND AVE SE, AUBURN, WA	\$ 500
TELSERVICE NORTHWEST LLC, 172ND AVE SE, AUBURN, WA	\$ 500
<b>Violation – Hiring Uncertified Electrician</b>	
<b>Region 1 – North Puget Sound</b>	
BERT LLC, NE MIDWAY BLVD, OAK HARBOR, WA	\$ 100
COMMERCIAL FENCE CORPORATION, PO BOX, SEATTLE, WA	\$ 100
COMMERCIAL FENCE CORPORATION, PO BOX, SEATTLE, WA	\$ 100
EMERALD DESIGN INC, HEWITT AVE, EVERETT, WA	\$ 100
JULIUS STEWART INC, WOOD RED RD, WOODINVILLE, WA	\$ 100
WLAM CONSTRUCTION & ROOFING, 67TH AVE NE, ARLINGTON, WA	\$ 100
<b>Region 2 – King County</b>	
ADT SECURITY SERVICES INC, POWELL ST, RENTON, WA	\$ 500
IMPCO ELECTRIC CO, 103RD NE, BOTHELL, WA	\$ 100
OLYMPIC SEC & COMM SYS INC, PO BOX, ARLINGTON, WA	\$ 100
<b>Region 3 – Pierce &amp; Kitsap County &amp; Olympic Peninsula</b>	
LONGVIEW CONSTRUCTION INC, DAPPLE CT NE, BAINBRIDGE ISLAND, WA	\$ 100
PARAMOUNT ELECTRIC CO, S TACOMA WAY, TACOMA, WA	\$ 500
S & S HOME & LAND RENOVATN INC, PO BOX, ROY, WA	\$ 100
<b>Region 4 – SW Washington</b>	
A & M CABLE, PO BOX, RAINIER, WA	\$ 100
CHERRY CITY ELECTRIC, 22ND ST SE, SALEM, OR	\$ 100
D J'S ELECTRICAL INC, NE 142ND AVE, BATTLE GROUND, WA	\$ 100
HIGHLIGHT SIGN CORP, PO BOX, TIGARD, OR	\$ 100
MITCHELL CRANE & EQUIPMENT CO, PO BOX, MEDFORD, OR	\$ 100
QUADRANT SECURITY INC, PO BOX, PORTLAND, OR	\$ 500
<b>Region 5 – Central Washington</b>	
OASIS HTG & AIR CONDITIONING, SUNSET WAY, COWICHE, WA	\$ 100
<b>Central Office</b>	
ALIAN ENERGY SERVICES, NE CADCO, WILBUR, WA	\$ 100

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ALIAN ENERGY SERVICES, NE CADCO, WILBUR, WA	\$ 100
ELECTRIC CONNECTION, 112TH ST E, PUYALLUP, WA	\$ 100
TELENET TECHNOLOGIES LLC, DAY SE, BELLINGHAM, WA	\$ 100
TELENET TECHNOLOGIES LLC, DAY SE, BELLINGHAM, WA	\$ 100
<b>Violation –Uncertified Electrician</b>	
<b>Region 1 – North Puget Sound</b>	
BALL, WESLEY, 35TH STREET, ANACORTES, WA	\$ 250
BEERMAN, J KELLY, PARKRIDGE RD, BELLINGHAM, WA	\$ 250
CLANCY, BUTCH, WOODINVILLE REDMOND RD, WOODINVILLE, WA	\$ 250
COOK, DANIEL B, OLD OWEN RD, MONROE, WA	\$ 100
COOK, DANIEL B, OLD OWEN RD, MONROE, WA	\$ 250
DAVIS, CHRIS, SW GENESSE ST, SEATTLE, WA	\$ 250
DURYEE, TIM, 23RD ST, BELLINGHAM, WA	\$ 250
FOX, SCOTT D, W KING TUT, BELLINGHAM, WA	\$ 250
FULLERTON, GLEN R, FREESTADT RD, ARLINGTON, WA	\$ 250
GRUBBS, GLENN W, SOUTH DES MOINES MEM DR, SEATTLE, WA	\$ 250
GRUBBS, GLENN W, SOUTH DES MOINES MEM DR, SEATTLE, WA	\$ 250
HARMON, GEORGE, PO BOX, EVERETT, WA	\$ 250
HICKS, ADRIAN L, WILLIAMS RD, RICHMOND, BC	\$ 250
HUTCHENS, STEWART L, 19TH, EVERETT, WA	\$ 250
JONES, BRENT, 2ND AVE NE, MARYSVILLE, WA	\$ 250
MEENDERINCK, LAUREN J, GUIDE MERIDIAN RD, LYNDEN, WA	\$ 250
MILLER, ROBERT D, 228TH ST SE, BOTHELL, WA	\$ 250
MILLHOLLAND, ERICK, 67TH AVE NE, ARLINGTON, WA	\$ 250
WNEK, ANDRZEJ, BURNETT AVE N, RENTON, WA	\$ 250
<b>Region 2 – King County</b>	
GLOSSNER, JAMES GRANT, 170TH ST CT E, TACOMA, WA	\$ 250
HADDAD, JOSEPH, NE 4TH PL, SAMMAMISH, WA	\$ 250
ROSENLUND, JOHN M, 420TH AVE SE, NORTH BEND, WA	\$ 250
<b>Region 3 – Pierce &amp; Kitsap County &amp; Olympic Peninsula</b>	
FLODIN, DALE, PO BOX, BAINBRIDGE ISLAN, WA	\$ 250
SEIFNER, ROBERT, PO BOX, ROY, WA	\$ 250
SYKES, GERALD C, 3RD AVE SE, DES MOINES, WA	\$ 250
ZIMMARDI, THOMAS A, BANNER RD SE, OLALLA, WA	\$ 250
<b>Region 4 – SW Washington</b>	
ARANA, JOSE ANTONIO, E IRVING BLVD, IRVING, TX	\$ 250
BARRON, GREGORY L, THORNDYKE RD, QUILCENE, WA	\$ 250
CARROLL, KEVIN, PO BOX, TIGARD, OR	\$ 250
COGRAIN, RICHARD, S LAWRENCE ST, TACOMA, WA	\$ 250
DILLEY, JEFF, JARVIS ST, COQUITLAM BC, CN	\$ 250
FOSTER, TIM W, SE BLUEBIRD, MILWAUKIE, OR	\$ 250
GLADSON, LLOYD, HARLEY RD, CHEHALIS, WA	\$ 250
HILL, DOUG JAMES, S LINCOLN STREET, ABERDEEN, WA	\$ 250
KOONSMAN, KENDLE DALE, S 11TH ST, ABILENE, TX	\$ 250
LEHEW, JIM, 2ND AVE SW, OLYMPIA, WA	\$ 250
MARLOWE, CHRIS, 136TH ST SE, SNOHOMISH, WA	\$ 250
MASTRO, JOSEPH, MAIN ST FISHERS, MENDON, NY	\$ 250
NOLAN, GENE, PO BOX, IMPERIAL BEACH, CA	\$ 250
NOLAN, GENE, PO BOX, IMPERIAL BEACH, CA	\$ 250
RITOLA, CHARLES, NW 9TH AVE, LA CENTER, WA	\$ 250
TRAC, MEN C, CONGER CT, OLYMPIA, WA	\$ 250
WATSON, IAN, E 33RD ST, VANCOUVER BC, CN	\$ 250
WILSON, CHRISTOPHER L, SE 29TH ST, SAMMAMISH, WA	\$ 250
WILSON, DERREK, NE 118TH AVE, LA CENTER, WA	\$ 250
<b>Region 5 – Central Washington</b>	
ERICKSON, DAMIAN A, S 38TH AVE #31, YAKIMA, WA	\$ 250
WYLIE, MIKE, 3RD ST, MESA, WA	\$ 250
<b>Region 6 – Eastern Washington</b>	
GARWOOD, DARRELL, HWY 291, NINE MILE FALLS, WA	\$ 250
KING, RANDY, HWY 291, NINE MILE FALLS, WA	\$ 250
KOONTZ, KYLE, PO BOX, CHEWELAH, WA	\$ 250
MCKENNA, DANIEL F, N PITTSBURG, SPOKANE, WA	\$ 500
REPPY, PAUL, N FIVE MILE RD, SPOKANE, WA	\$ 250
<b>Central Office</b>	
BLAKE, CHRISTOPHER R, 58TH AVE E, FIFE, WA	\$ 250
BOTSFORD, JASON, 75TH AVE CT E, PUYALLUP, WA	\$ 250
CEREGHINO, JARED KARL, N MAPLE, SPOKANE, WA	\$ 250
CEREGHINO, JARED KARL, N MAPLE, SPOKANE, WA	\$ 100
DIAZ, MANUEL, 1ST ST, UNION GAP, WA	\$ 250
HAYS, JOE L JR, NE 128TH PL, KIRKLAND, WA	\$ 100
HAYS, JOE L JR, NE 128TH PL, KIRKLAND, WA	\$ 100
HAYS, JOE L JR, NE 128TH PL, KIRKLAND, WA	\$ 100
HAYS, JOE L JR, NE 128TH PL, KIRKLAND, WA	\$ 100
HENDERSON, JOSEPH L SR, P O BOX , PORT ANGELES, WA	\$ 250

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IDEKER, JOE, 192ND PL SW, LYNNWOOD, WA	\$ 250
IWASAKI, GREG S, BAY STREET, BELLINGHAM, WA	\$ 250
MUNCK, DANIEL P, RD 5 SE, MOSES LAKE, WA	\$ 250
MUNCK, DANIEL P, RD 5 SE, MOSES LAKE, WA	\$ 250
MUNCK, DANIEL P, RD 5 SE, MOSES LAKE, WA	\$ 250
POUNDS, MICHAEL L, SW 6TH ST, COLLEGE PLACE, WA	\$ 250
ROWLAND, SARA LYNN, 11TH ST, BELLINGHAM, WA	\$ 250
SHULL, ROBERT JAMES II, NO G STREET, TACOMA, WA	\$ 250
TROPPMAN, ROBBIE, 45TH PL W, MUKILTEO, WA	\$ 250
VOYTENKO, YEVGENY N, NE BRAZEE, PORTLAND, OR	\$ 250
<b>Violation –No Electrical Permit</b>	
<b>Region 1 – North Puget Sound</b>	
ADT SECURITY SERVICES INC, NORTHCREEK PKWY N, BOTHELL, WA	\$ 500
ADVANCED CONSTRUCTION INC, HWY 99, EVERETT, WA	\$ 250
ALVORD & RICHARDSON CONST, PO BOX, BELLINGHAM, WA	\$ 250
ANDGAR CORPORATION, SALASHAN PKWY, FERNDAL, WA	\$ 250
ASSOCIATED HTG/SHEET METAL INC, PO BOX, MONROE, WA	\$ 2,000
B R & ASSOCIATES INC, 40TH AVE NE, SEATTLE, WA	\$ 250
BARRON HEATING & A/C INC, PO BOX, BELLINGHAM, WA	\$ 1,000
BERT LLC, NE MIDWAY BLVD, OAK HARBOR, WA	\$ 250
CANYONS RESTAURANT, N KELSEY ST SE, MONROE, WA	\$ 250
CARPENTER, STEVE, AVENUE D, SNOHOMISH, WA	\$ 250
CLEMENTSON, CONRAD, 92ND ST SE, SNOHOMISH, WA	\$ 50
D C PETERSON ELECTRIC INC, 132ND ST SW, LYNNWOOD, WA	\$ 250
DALE'S ELECTRIC INC, BERTHUSEN RD, LYNDEN, WA	\$ 2,000
E H S LLC, STONE AVE N, SEATTLE, WA	\$ 1,000
EMERALD CITY ELECTRIC INC, 62ND PL W, LYNNWOOD, WA	\$ 250
ERICKSON, JOHN W, WAGNER RD, MONROE, WA	\$ 50
FRANKLIN, STEVE D, 60TH ST NE, LAKE STEVENS, WA	\$ 50
GOMAVITZ, SHELLEY, YEAGER RD, MONROE, WA	\$ 250
HAT ISLAND YACHT & GOLF CLUB, PO BOX, EVERETT, WA	\$ 250
HOME RUN ELECTRIC LLC, PO BOX, BOTHELL, WA	\$ 250
HOME RUN ELECTRIC LLC, PO BOX, BOTHELL, WA	\$ 250
HOME RUN ELECTRIC LLC, PO BOX, BOTHELL, WA	\$ 250
HOME THEATRE SPECIALTIES, ASH WAY, LYNNWOOD, WA	\$ 250
HOME THEATRE SPECIALTIES, ASH WAY, LYNNWOOD, WA	\$ 1,000
LIGHTNING ELECTRIC INC, RATHBONE RD, FERNDAL, WA	\$ 1,000
MCDONALD, SCOTT, 277TH AVE, MONROE, WA	\$ 250
OLYMPIC MECHANICAL INC, 66TH AVE W, MOUNTLAKE TERRAC, WA	\$ 1,000
PACIFIC COAST INDSTR LTG INC, PO BOX, WOODINVILLE, WA	\$ 250
PACIFIC COAST LTG & ELEC INC, PO BOX, WOODINVILLE, WA	\$ 1,000
PIGNATARO, JOE, 72ND AVE W, EDMONDS, WA	\$ 250
SANTORA, NICK, 89TH AVE SE, MERCER ISLAND, WA	\$ 50
SHANNON HEIGHTS HEATING, 59TH AVE NE, ARLINGTON, WA	\$ 250
SKY VALLEY ELEC SECURITY LLC, 299TH AVE SE, MONROE, WA	\$ 1,000
STREAMLINE ELECTRICAL SER INC, NE 172ND CT, SEATTLE, WA	\$ 250
TUBE ART DISPLAYS INC, OCCIDENTAL AVE S, SEATTLE, WA	\$ 250
YARDES, RICHARD, 39TH AVE SW, SEATTLE, WA	\$ 250
<b>Region 2 – King County</b>	
A-1 ELECTRIC & PLUMBING INC, PO BOX, SEATTLE, WA	\$ 250
AIR SYSTEMS ENGINEERING INC, S PINE ST, TACOMA, WA	\$ 250
ALARM CENTER INC, PO BOX, LACEY, WA	\$ 1,000
BAKER, MANNACE, S 268TH ST, KENT, WA	\$ 50
BRENNAN HEATING & A/C LLC, 152ND AVE NE, REDMOND, WA	\$ 250
C S I SIGN SVC & LIGHTING INC, 1ST AVE S, SEATTLE, WA	\$ 250
DAVIS DOOR SERVICE INC, S GRAND ST, SEATTLE, WA	\$ 250
DIGITAL CINEMA DESIGN, 152ND AVE NE, REDMOND, WA	\$ 250
DIGITAL CINEMA DESIGN, 152ND AVE NE, REDMOND, WA	\$ 250
DO, TUAN, SW 108TH ST, SEATTLE, WA	\$ 50
ENRIGHT, LINDA, 1ST AVE S, SEATTLE, WA	\$ 250
EXPERT ELECTRIC INC, PACIFIC AVE, TACOMA, WA	\$ 250
FOCUS MICRO INC, CAMPUS PLACE, MUKILTEO, WA	\$ 250
GREAT WALL ELECTRIC, S VERN COURT, SEATTLE, WA	\$ 250
HEAT N AIR TECHS, NE 59TH AVE, TACOMA, WA	\$ 250
JOHANSEN MECHANICAL INC, PO BOX, WOODINVILLE, WA	\$ 100
K & D MECHANICAL INC, SW CAMPUS DR, FEDERAL WAY, WA	\$ 250
MCGRUE, KAREN, S 272ND ST, KENT, WA	\$ 50
MERIT MECHANICAL INC, 153RD AVE NE, REDMOND, WA	\$ 250
PACIFIC COAST INDSTR LTG INC, PO BOX, WOODINVILLE, WA	\$ 250
PACIFIC COAST INDSTR LTG INC, PO BOX, WOODINVILLE, WA	\$ 250
PACIFIC COAST INDSTR LTG INC, PO BOX, WOODINVILLE, WA	\$ 250
PACIFIC COAST INDSTR LTG INC, PO BOX, WOODINVILLE, WA	\$ 250
PACIFIC COAST INDSTR LTG INC, PO BOX, WOODINVILLE, WA	\$ 250
PACIFIC COAST INDSTR LTG INC, PO BOX, WOODINVILLE, WA	\$ 250

## ELECTRICAL CURRENTS

May 2005

QUALITY POWER INC, PO BOX, SPANAWAY, WA	\$ 250
R F I COMM & SECURITY SYS, SW 112TH ST, BEAVERTON, OR	\$ 250
STAGI, WILLIAM RICK JR, 29TH AVE SW, SEATTLE, WA	\$ 250
VO, PAUL, PO BOX, FEDERAL WAY, WA	\$ 250
WASHINGTON ENERGY SERVICES CO, THORNDYKE AVE W, SEATTLE, WA	\$ 250
WASHINGTON ENERGY SERVICES CO, THORNDYKE AVE W, SEATTLE, WA	\$ 2,000
XETA TECHNOLOGIES INC, NORTHUP WAY, BELLEVUE, WA	\$ 250
<b>Region 3 – Pierce &amp; Kitsap County &amp; Olympic Peninsula</b>	
CHIN'S ELECTRIC INC, 13TH PL SW, FEDERAL WAY, WA	\$ 250
ELGOCO INC, CHICO WAY NW, BREMERTON, WA	\$ 250
MADSEN ELECTRIC, S ORCHARD ST, TACOMA, WA	\$ 250
PACIFIC OFFICE EQUIPMENT INC, E 8TH ST, PORT ANGELES, WA	\$ 250
PENINSULA HEAT INC, W 8TH ST, PORT ANGELES, WA	\$ 250
RICHARD C REED ELECTRIC INC, MERIDIAN E, PUYALLUP, WA	\$ 250
S M E CORP, A STREET, TACOMA, WA	\$ 1,000
SECURITY SRVCS NORTHWEST INC, PO BOX, PORT TOWNSEND, WA	\$ 250
T C NORTHWEST INC, MILL RD, SEQUIM, WA	\$ 250
WASHINGTON ENERGY SERVICES CO, THORNDYKE AVE W, SEATTLE, WA	\$ 1,000
<b>Region 4 – SW Washington</b>	
A + ELECTRIC SERVICE, PACIFIC AVE SE, LACEY, WA	\$ 1,000
BRINKS HOME SECURITY INC, WEST VALLEY HIWAY H106, KENT, WA	\$ 250
BUD'S LUMBER, PO BOX, SOUTH BEND, WA	\$ 250
EVERGREEN SCHOOL DISTRICT #114, PO BOX, VANCOUVER, WA	\$ 250
EVERGREEN SCHOOL DISTRICT #114, PO BOX, VANCOUVER, WA	\$ 250
HASKIN ELECTRIC INC, NE ST JOHNS RD, VANCOUVER, WA	\$ 250
HIGHLIGHT SIGN CORP, PO BOX, TIGARD, OR	\$ 1,000
JIMCO ELECTRICAL CONTRNG INC, AIRWAY ROAD, LEBANON, OR	\$ 250
OLSSON INDUSTRIAL ELECTRIC INC, PO BOX, EUGENE, OR	\$ 250
PETERSON, MARK, PO BOX, CHINOOK, WA	\$ 250
SES INC, AUBURN WAY N, AUBURN, WA	\$ 1,000
VANCOUVER SIGN COMPANY INC, NE HWY 99, VANCOUVER, WA	\$ 250
<b>Region 5 – Central Washington</b>	
BUILDING CONTROL SYSTEMS INC, 66TH AVE W, LYNNWOOD, WA	\$ 250
BUILDING CONTROL SYSTEMS INC, 66TH AVE W, LYNNWOOD, WA	\$ 250
BUILDING CONTROL SYSTEMS INC, 66TH AVE W, LYNNWOOD, WA	\$ 250
ESSCO OF TRI-CITIES INC, ALDER AVE, RICHLAND, WA	\$ 1,000
FARMERS ELECTRIC, E HEMLOCK, OTHELLO, WA	\$ 1,000
HOLDEN'S HEATING & A/C INC, ANTOINE CREEK RD, CHELAN, WA	\$ 250
J J P ELECTRIC, N GREENWOOD BLVD, SPOKANE, WA	\$ 250
TRI-AIR HEATING & A/C INC, CLARK CT, WEST RICHLAND, WA	\$ 250
TRI-AIR HEATING & A/C INC, CLARK CT, WEST RICHLAND, WA	\$ 250
TRI-AIR HEATING & A/C INC, CLARK CT, WEST RICHLAND, WA	\$ 250
WALLACE QUALITY ELECTRIC LLC, PO BOX, CLE ELUM, WA	\$ 250
<b>Region 6 – Eastern Washington</b>	
ALIAINT ENERGY SERVICES INC, E CENTRAL, SPOKANE, WA	\$ 250
COMPLETE HEATING & SHT MTL INC, PO BOX, SPOKANE, WA	\$ 250
E T A COMPANY, PO BOX, SPOKANE, WA	\$ 250
ECHO ELECTRIC, E 44TH, SPOKANE, WA	\$ 250
ENERGIZED ELECTRIC INC, PO BOX, SPOKANE, WA	\$ 250
HEGWER, SCOTT, N MAYFAIR, COLBERT, WA	\$ 50
LEECO ELECTRIC, PO BOX, SPOKANE, WA	\$ 250
M CLARK ELECTRICAL LLC, GREGGS RD, NEWPORT, WA	\$ 250
MORSE ELECTRIC, GOVERNMENT, COEUR D'ALENE, ID	\$ 250
ORNAMENTAL GATE & FENCE, E MIDWAY, MEAD, WA	\$ 250
SALCO INDUSTRIES INC, HWY 291, NINE MILE FALLS, WA	\$ 250
SPOKANE COMFORT SYSTEMS INC, S ASHTON ST, GREENACRES, WA	\$ 250
STANDARD PLBG HTG CNTRLS CORP, E TRENT, SPOKANE, WA	\$ 250
TURNIDGE, GARY, N NEWPORT HWY, MEAD, WA	\$ 250
<b>Central Office</b>	
BARRON HEATING & A/C INC, PO BOX, BELLINGHAM, WA	\$ 1,000
BRUCE SMITH HTG & COOLING INC, 44TH AVE W, LYNNWOOD, WA	\$ 250
ELECTRIC OUTFITTERS, PO BOX, DAVENPORT, WA	\$ 250
HOME THEATRE SPECIALTIES, ASH WAY, LYNNWOOD, WA	\$ 250
HOME THEATRE SPECIALTIES, ASH WAY, LYNNWOOD, WA	\$ 250
MASSIE, JERRY, NE 238TH ST, BATTLE GROUND, WA	\$ 250
PHILLY YA BELLY, HIGHWAY 99, EVERETT, WA	\$ 250
PROFESSIONAL ELECTRIC INC, PO BOX, ARLINGTON, WA	\$ 250
R B ELECTRIC, NW 197TH, SEATTLE, WA	\$ 250
WHIDBEY ISLAND ELECTRIC LLC, PO BOX, FREELAND, WA	\$ 250